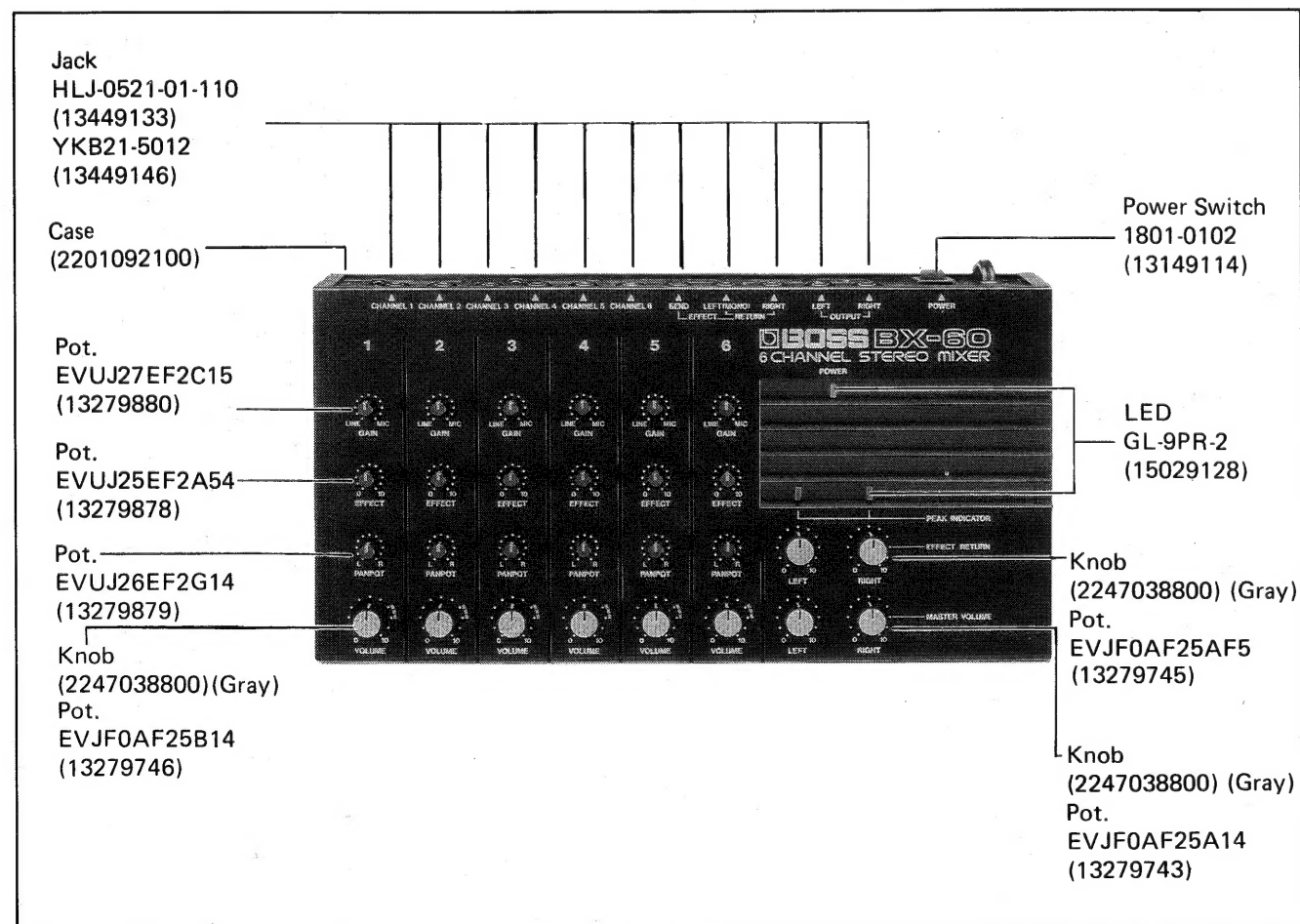


# BOSS BX-60 SERVICE NOTES

First Edition

## SPECIFICATIONS

Input Level/Input Impedance	: Rated : -50dBm to -10dBm More than 1.5k $\Omega$ to 100k $\Omega$
Output Level	: Rated : +4dBm Max : +21dBm
Output Load Impedance	: More than 10k $\Omega$
Effect Send	
Output Level	: Rated : -20dBm
Output Load Impedance	: More than 10k $\Omega$
Effect Return	
Input Level	: Rated : -20dBm
Input Impedance	: 47k $\Omega$ to 300k $\Omega$
Equivalent Input Noise	: -115dBm (IHF-A)
Frequency Response	: 20Hz to 20kHz ( +0 -3dB )
(at minimum Gain)	@0dBm = 0.775V
AC Power	: 100/117/220/240V AC50/60Hz
Power Consumption	: 4W
Dimensions	: 280 (W) x 60 (H) x 155 (D) mm 11" x 2-3/8" x 6-1/8"
Weight	: 1.2 kg/2 lb. 10 oz.



## PARTS LIST

### SAFETY PRECAUTIONS:

The parts marked  $\Delta$  have safety-related characteristics.  
Use only listed parts for replacement.

### 安全上の注意:

$\Delta$ が付いている部品は、安全上特別な規格でつくられたものです。  
交換の際は、注意をよく読み、指定された部品番号以外の部品は  
使わないようにして下さい。

### CASING

2201092100	Case
2202023402	Bottom Cover

### SWITCH

$\Delta$ 13149114	1801-0102	Power Switch
-------------------	-----------	--------------

### JACK, SOCKET

13449133	HLJ-0521-01-110	(SN 910100 - 943000)	JACK
13449146	YKB21-5012	(SN 953100 - UP )	JACK

### POWER TRANSFORMER

$\Delta$ 22450365U0	Power Transformer
---------------------	-------------------

### PCB

7116951100	PCB Assy 100V
7116951200	PCB Assy 117V
7116951400	PCB Assy HIGH
Each voltage's PCB Assy includes the following:	
MT Board	(pcb 2292063200 1/3)
PS Board	(pcb 2292063100 2/3 100V)
	(pcb 2292063200 2/3 117V)
	(pcb 2292063400 2/3 HIGH)
JK Board	(pcb 2292063200 3/3)

### TRANSISTOR & IC

15189136	M5218L	OP Amp
15129108	2SC945-P	Tr
15129602	2SD667-C	Tr
15119602	2SB647-C	Tr

### LED & DIODE

15029128	GL-9PR-2	OVERLOAD, POWER LED
15019103	1S2473	
15019560	RD-16EB-2	zener
$\Delta$ 15019260	1G4B42	rectifier bridge

### CAPACITOR

$\Delta$ 13549884M0	ECQ-M103MZ	0.01 $\mu$ F	Polypropylene 100V
$\Delta$ 13589464	ECQ-U1A103MH	0.01 $\mu$ F	117V
$\Delta$ 13589455M0	ECQ-U2A103MF	0.01 $\mu$ F	220/240V

### POTENTIOMETER

13279880	100kC	EVUJ27EF2C15	GAIN
13279878	50kA	EVUJ25EF2A54	EFFECT SEND
13279879	10kG	EVUJ26EF2G14	PAN POT
13279746	10kB	EVJF0AF25B14	CHANNEL VOL
13279745	250kA	EVJF0AF25AF5	EFFECT RETURN
13279743	10kA	EVJF0AF25A14	MASTER

### FUSE

$\Delta$ 12199542	Fuse Holder SN5057	
$\Delta$ 12559333	T-GCS 125mA/250V	100,117V
$\Delta$ or 12559352	SGC-0.125A/125V	100,117V
$\Delta$ 12559522	CEE-40MAT	220V, 240VE, 240VA

### AC CORD, CORD SET

12369410	Cord Band 1702B		
$\Delta$ 13439801Y0	VFF 2.5m	2P	AC Cord (100V)
$\Delta$ 13439836D0	SJT-#18/2	2P	AC Cord (117V)
$\Delta$ 13439837F0	P2115 ES-206 2.5m	2P	AC Cord (220V)
$\Delta$ 13499111	5722-660-4527	3P	AC Cord (240VE)
$\Delta$ 13439808D0	KP-550	3P	AC Cord (240VA)

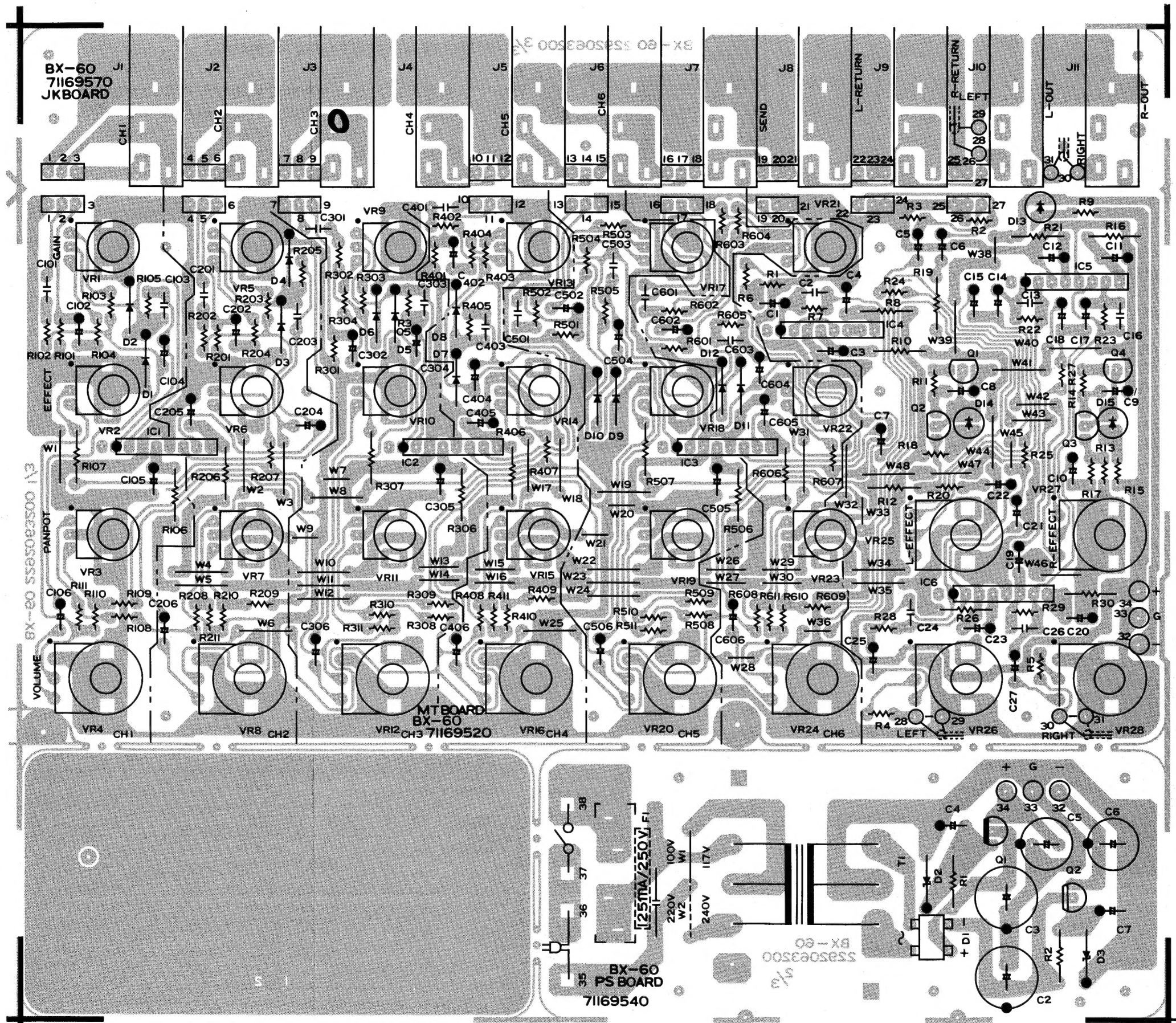
### MISCELLANEOUS

2247038800	Knob (Gray)
2219043000	pcb Holder (PS Board)
2235012000	Rubber Foot
2225021402	Shield Sheet
2219049000	BX Transformer Holder
2216053000	BX PCB Spacer
2216053100	Transformer Holder Spacer



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U



JK Board  
pcb (2292063200 3/3)

MT Board  
pcb (2292063200 1/3)

**BX-60 REPLACEMENT 補修用**

- 7116951100 PCB Assy 100V
- 7116951200 PCB Assy 117V
- 7116951400 PCB Assy HIGH (220/240V)

Each voltage's PCB Assy includes the following:

- MT Board (pcb 2292063200 1/3)
- PS Board (pcb 2292063100 2/3) 100V
- (pcb 2292063200 2/3) 117V
- (pcb 2292063400 2/3) HIGH (220/240V)
- JK Board (pcb 2292063200 3/3)

PS Board  
pcb (2292063200 2/3)

View from component side

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

# CIRCUIT DIAGRAM

